



Functional Independence Mathematics

Official Released Items

Grade 8

**Fall 2008
Official Released Items**

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The Grade 8 Functional Independence Mathematics Assessment was administered for the first time in Fall 2005. Beginning with this administration, the Office of Educational Assessment and Accountability (OEAA) will annually release a portion of the items that are administered on the assessment. This booklet contains released items from the Fall 2008 administration and is intended to be used by districts to assist in their interpretation of item analysis data. The information contained in this booklet may also be used by schools, teachers, and parents as a resource for understanding the content and format of the assessment items. In addition to MI-Access training materials and Extended Grade Level Content Expectations (EGLCE), the released items may also have utility in informing decisions related to instruction, curriculum, and assessment. These items are **not** secure and may be copied and distributed as needed.

The table below lists the number of core and released items administered on the Fall 2008 Grade 8 assessment booklet. Core items are those that count toward students' scores. All released items in this booklet were selected from the pool of core items that appeared on the assessment.

Functional Independence Mathematics Grade 8

Mathematics Strand	Number of Core Items
Numbers and Operations	17
Algebra	2
Measurement	10
Geometry	3
Data and Probability	3
Total Core Items/Points	35
Released Items	10 (Numbers vary by strand and topic.)

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DIRECTIONS: Read each question. Choose the **BEST** answer for each question.

Use the table below to answer question **R1**.

Toasted Bagel Prices

Number of Bagels	Cost
1	\$1.00
2	\$2.00
3	\$3.00
4	\$4.00
5	\$5.00
6	?

R1 Which sentence tells how to find the cost of 6 bagels?

- A** Add \$1.00 to the cost of 5 bagels.
- B** Add \$5.00 to the cost of 5 bagels.
- C** Add \$6.00 to the cost of 5 bagels.

R2 Compare the numbers **137** and **750**.

137 is _____ **750**.

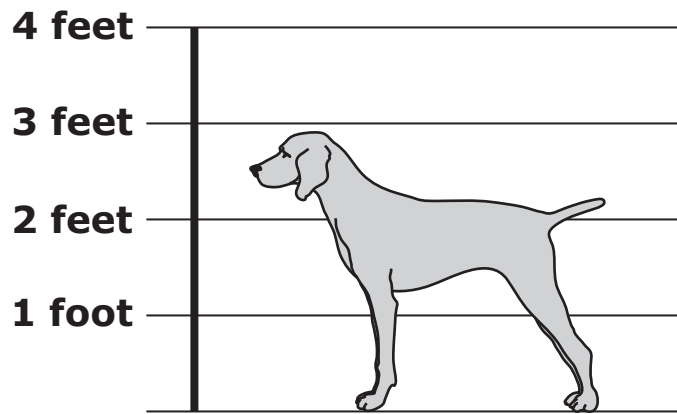
What words go in the blank?

A **greater** than

B **less** than

C **equal** to

Use the picture below to answer question **R3**.



R3 What is the closest estimate for the dog's height?

- A** 1 foot
- B** 2 feet
- C** 3 feet

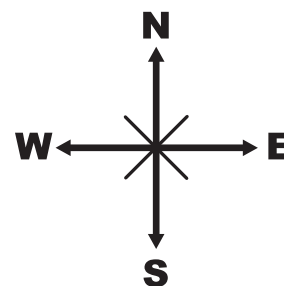
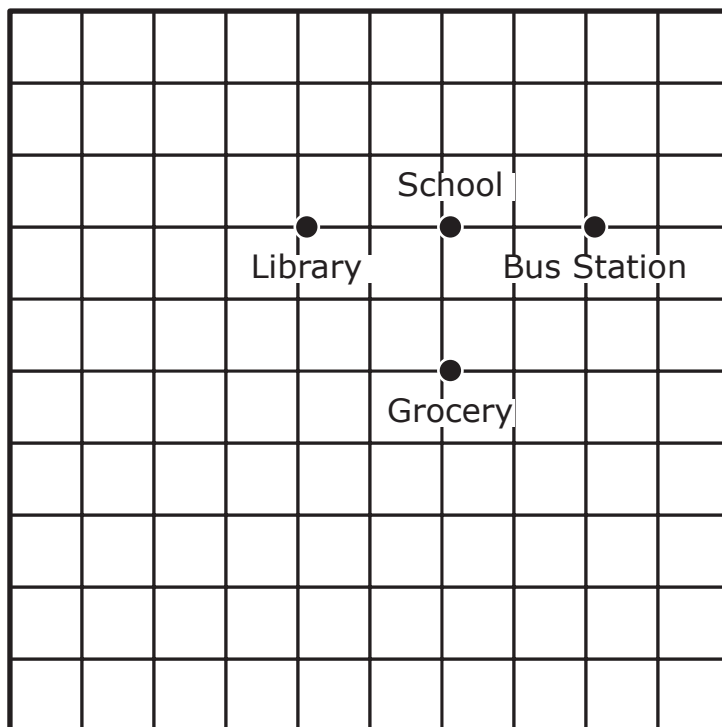
R4 Which could be the height of a boy?


A 5 degrees

B 5 feet

C 5 pounds

Use the map below to answer question **R5**.



Key	
Each side of	 is one block.

R5 What is located two blocks west of the school?

- A** Library
- B** Grocery
- C** Bus station

- R6** Rachel recorded the time she spent watching TV each day for a week in the table below.

Rachel's TV Times

Day	Minutes Watching TV
Sunday	30
Monday	40
Tuesday	?
Wednesday	45
Thursday	30
Friday	45
Saturday	35

Which of the following is the **most** likely number of minutes that Rachel watched TV on Tuesday?

- A** 10 minutes
- B** 40 minutes
- C** 70 minutes

R7 What is the **difference**?

$$213 - 194 = \square$$

A 181

B 129

C 19

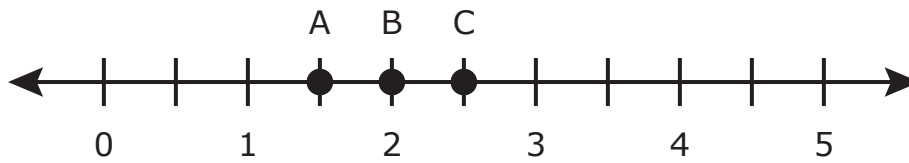
Use the coins below to answer question **R8**.



R8 Which set of coins has the **same** value as the coins shown above?



Use the number line below to answer question **R9**.



R9 Which letter is at $2\frac{1}{2}$?

A A

B B

C C

R10 Maria has 125 channels on her television.

She never watches 112 of the channels.

Which equation shows a way to find how many channels Maria does watch?

A $112 - \square = 125$

B $125 - 112 = \square$

C $125 + 112 = \square$



Do Not Continue.



Do not continue until instructed to do so.

Below is a list of the Extended Grade Level Content Expectations (EGLCE) for each released item found in this booklet. The chart contains the EGLCE code, a brief description of what is measured, and the correct answer for each released item.

Because the assessment was administered during the **fall** of the school year, only content from the *previous* grade level was measured on the assessment. For example, items eligible for the Grade 8 assessment will measure the Grade 7 EGLCE.

Full descriptions of the EGLCE contained in the chart below are available for review and download at **www.mi.gov/mi-access**.

Released Item Number	EGLCE Code	STRAND or Abbreviated Extended GLCE Descriptor	Answer Key
		DATA AND PROBABILITY	
R6	D.RE.07.FI.EG02	Draw predictions and conclusions from data	B
		ALGEBRA	
R10	A.FO.07.FI.EG02	Represent information using algebra	B
		GEOMETRY	
R5	G.LO.07.FI.EG03	Read, interpret and use maps and grids	A
		MEASUREMENT	
R3	M.UN.07.FI.EG01	Use standard tools for measurement	C
R4	M.UN.07.FI.EG02	Select units of measure	B
R8	M.UN.07.FI.EG13	Recognize equivalent sets of coins and bills	C
		NUMBERS AND OPERATIONS	
R1	N.MR.07.FI.EG07	Find the next number in simple repeating pattern	A
R2	N.ME.07.FI.EG04	Compare and order numbers to 100,000	B
R7	N.FL.07.FI.EG09	Add and subtract one-, two- and three-digit numbers	C
R9	N.ME.07.FI.EG16	Place 0 and halves on number line	C



Michigan Department of Education
Office of Educational Assessment and Accountability
608 West Allegan Street
P.O. Box 30008
Lansing, MI 48909
(517) 241-4416
www.mi.gov/mi-access